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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

(Currently amended) A solar panel having a panel front and a panel back comprising:

an array of solar cells, each of said solar cells having a front and a back, wherein at

least the front is capable of converting at least a portion of solar light incident thereon

into electrical energy, there being spacings between at least some of the solar cells,

each said cell being a long and narrow strip having a length, and a width that is

substantially less than the length; and

an element comprising a visually distinguishable feature, said feature being at least

one position selected from the group consisting of: between the panel back and the panel front, on the panel front, on the panel front, and at the panel

back, said distinguishable feature being larger than the cells,

the cells being spaced in the array such that the visually distinguishable feature is at least

partially distinguishable on viewing the panel front, and wherein the nature of the visually

distinguishable feature and the location of the element relative to the solar cells do not

completely prevent solar light incident on the panel front from being incident on at least a

portion of the array.

2. (Original) The solar panel of claim 1 wherein the nature of the visually distinguishable

feature and the location of the element relative to the solar cells are such that the amount of solar light incident on the array relative to the amount of solar light incident on the panel front is

greater than about 50%.

3. (Original) The solar panel of claim 1 wherein the element is removable from the solar

panel.

4. (Original) The solar panel of claim 1 in which there is an encapsulant between the

solar cells.

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5. (Original) The solar panel of claim 4 wherein the encapsulant is at least partially

transparent.

6. (Original) The solar panel of claim 1 wherein the array is disposed on a transparent

support panel.

7. (Original) The solar panel of claim 1 wherein the array is disposed between transparent

support panels.

8. (Original) The solar panel of claim 1 wherein the backs of at least some of the solar

cells are capable of converting at least a portion of solar light incident thereon into electrical

energy, and there is a reflector located between the array and the panel back, said reflector being

capable of reflecting at least part of the solar light incident on the solar panel towards the backs

of at least some of the solar cells.

9. (Original) The solar panel of claim 1 wherein the backs of at least some of the solar

cells are capable of converting at least a portion of solar light incident thereon into electrical energy and the panel back comprises a reflector, said reflector being capable of reflecting at least

part of the solar light incident on the solar panel towards the backs of at least some of the solar

cells.

10. (Previously presented) The solar panel of claim 9 wherein the reflector is selected from

the group consisting of a Lambertian reflector, a diffuse reflector, a light scattering reflector and

a reflector that approximates one of these.

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11. (Original) The solar panel of claim 1 wherein the visually distinguishable feature is at least partially distinguishable through the array on viewing a component selected from the group

consisting of the panel front or the panel back.

12. (Original) The solar panel of claim 1 wherein the element is located between the solar

cells of the array.

13. (Original) The solar panel of claim 12 wherein the element comprises an encapsulant.

14. (Original) The solar panel of claim 1 wherein the element is located between the array

and the panel front.

15. (Original) The solar panel of claim 1 wherein the panel front comprises the element.

16. (Original) The solar panel of claim 1 wherein the element comprises at least one

activatable element, the appearance of which is capable of being changed by application of a

stimulus selected from the group consisting of electrical, thermal, optical or magnetic stimuli.

17. (Original) The solar panel of claim 16 wherein the stimulus is supplied from a source

selected from the group consisting of a source external to the solar panel and the array of solar

cells.

18. (Original) The solar panel of claim 1 wherein the visually distinguishable feature is

capable of being changed electronically.

19. (Original) The solar panel of claim 1 additionally comprising means to change the

visually distinguishable feature, said means being selected from the group consisting of means to

change the visually distinguishable feature physically, mechanically, electrically, thermally,

optically and magnetically.

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20. (Currently amended) A solar panel comprising an array of solar cells, each of said solar cells having a front and a back, each said cell being a long and narrow strip and having a length, and a width that is substantially less than the length, wherein at least the front is capable of converting at least a portion of solar light incident thereon into electrical energy, and wherein there are spacings between at least some of the solar cells whereby the arrangement of the solar cells in the array embodies a visually distinguishable feature that is larger than the cells, said feature being selected from the group consisting of a design, a decoration, a picture, a drawing, a sketch, an etching, a marking, a layout, a sketch, a brand, an advertisement, a notice, a sign, a name, a seal, an insignia, a portrait, a scene, a cartoon, a caricature, an icon, a signature, a photograph, an image, a logo, at least one letter, at least one number, at least one word, a calendar, a label, a trademark, a plan, a map and at least one marking, said visually distinguishable feature appearing to be unobscured when viewed from a distance.

21. (Previously presented) The solar panel of claim 1 wherein each of said solar cells comprises:

a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a back, a first side surface and a second side surface, wherein, in the event that the semiconductor strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front and at least a portion of the first side surface and, in the event that the semiconductor strip comprises an n-type dopant, a first diffusion layer of a p-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front surface and at least a portion of the first side surface:

a first metal contact in electrical contact with the first diffusion layer of the first side surface: and

a second metal contact in electrical contact with the second side surface but being electrically isolated from the first diffusion layer.

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22. (Currently amended) A combination for conversion of solar energy comprising:

an array of solar cells, each of said solar cells having a front and a back, wherein at least the front is canable of converting at least a portion of solar light incident thereon

into electrical energy, there being spacings between at least some of the solar cells,

each said cell being a long and narrow strip having a length, and a width that is

substantially less than the length, and said array having an array front and an array

back, and

- an element comprising a visually distinguishable feature, said feature being at least

one position selected from the group consisting of in front of the array front, at the

array front, at the array back or behind the array back, said distinguishable feature being larger than the cells,

 $\underline{\text{the cells being spaced in the array}} \, \underline{\text{such that the visually distinguishable feature is at least}} \,$

partially distinguishable on viewing the combination, and wherein the nature of the visually distinguishable feature and the location of the element relative to the solar cells do not

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completely prevent solar light incident on the combination from being incident on at least a

portion of the array.

23. (Original) The combination of claim 22 wherein each of said solar cells

comprises:

a semiconductor strip comprising a p-type dopant or an n-type dopant and having a

front, a back, a first side surface and a second side surface, wherein, in the event that the

semiconductor strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front and

at least a portion of the first side surface and, in the event that the semiconductor strip comprises

an n-type dopant, a first diffusion layer of a p-type conductivity has been introduced by

diffusion, using a suitable dopant, into at least a portion of the front surface and at least a portion

of the first side surface:

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a first metal contact in electrical contact with the first diffusion layer of the first side surface: and

a second metal contact in electrical contact with the second side surface but being electrically isolated from the first diffusion layer.

24. (Currently amended) A process for making a solar panel having a panel front and a panel back, said process comprising locating:

- an array of solar cells, each of said solar cells having a front and a back, wherein at least the front is capable of converting at least a portion of solar light incident thereon into electrical energy, there being spacings between at least some of the solar cells, each said cell being a long and narrow strip having a length, and a width that is substantially less than the length, and
- an element comprising a visually distinguishable feature, said distinguishable feature being larger than the cells.

such that the element is located at least one position selected from the group consisting of between the panel back and the panel front, on the panel front, on the panel back, at the panel front, and at the panel back, and the cells being spaced in the array such that the visually distinguishable feature is at least partially distinguishable on viewing the panel front, and wherein the nature of the visually distinguishable feature and the location of the visually distinguishable feature relative to the solar cells do not completely prevent solar light incident on the panel front from being incident on at least a portion of the array.

25. (Currently amended) A process for making a solar panel comprising the step of arranging a plurality of solar cells in an array, each of said solar cells having a front and a back, and each said cell being a long and narrow strip having a length, and a width that is substantially less than the length, wherein at least the front is capable of converting at least a portion of solar light incident thereon into electrical energy, and wherein there are spacings between at least some of the solar cells whereby the arrangement of the solar cells in the array embodies a

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visually distinguishable feature that is larger than the cells, said feature being selected from the group consisting of a design, a colour, a decoration, a picture, a drawing, a sketch, an etching, a marking, a layout, a sketch, a brand, an advertisement, a notice, a sign, a name, a seal, an insignia, a portrait, a scene, a cartoon, a caricature, an icon, a signature, a photograph, an image, a logo, at least one letter, at least one number, at least one word, a calendar, a label, a trademark, a plan, a map and at least one marking, said visually distinguishable feature appearing to be unobscured when viewed from a distance.

- 26. (Original) The process of claim 25 additionally comprising the step of locating the solar panel and a reflector such that the reflector is capable of reflecting at least part of the solar light incident on the solar panel towards at least some of the solar cells of the array.
- 27. (Previously presented) The process of claim 24 wherein each of said solar cells comprises:
- a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a back, a first side surface and a second side surface, wherein, in the event that the semiconductor strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front and at least a portion of the first side surface and, in the event that the semiconductor strip comprises an n-type dopant, a first diffusion layer of a p-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front surface and at least a portion of the first side surface:
- a first metal contact in electrical contact with the first diffusion layer of the first side surface; and
- a second metal contact in electrical contact with the second side surface but being electrically isolated from the first diffusion layer.
 - 28. (Previously presented) A solar panel when made by the process of claim 24.

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29. (Original) A process for making a combination for conversion of solar energy, said process comprising locating:

- an array of solar cells, each of said solar cells having a front and a back, wherein at least the front is capable of converting at least a portion of solar light incident thereon into electrical energy, there being spacings between at least some of the solar cells, each said cell being a long and narrow strip having a length, and a width that is substantially less than the length, and said array having an array front and an array back, and
- an element comprising a visually distinguishable feature that is larger than the cells, such that the element is located at least one position selected from the group consisting of in front of the array front, at the array front, at the array back or behind the array back, and the cells being spaced in the array such that the visually distinguishable feature is at least partially distinguishable on viewing the panel front, wherein the nature of the visually distinguishable feature and the location of the visually distinguishable feature relative to the solar cells do not completely prevent solar light incident on the combination from being incident on at least a portion of the array.

30. (Original) The process of claim 29 wherein each of said solar cells comprises:

a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a back, a first side surface and a second side surface, wherein, in the event that the semiconductor strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the first side surface and, in the event that the semiconductor strip comprises an n-type dopant, a first diffusion layer of a p-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front surface and at least a portion of the first side surface:

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a first metal contact in electrical contact with the first diffusion layer of the first side surface: and

a second metal contact in electrical contact with the second side surface but being electrically isolated from the first diffusion layer.

- 31. (Previously presented) A combination for conversion of solar energy, when made by the process of claim 29.
- 32. (Previously presented) A solar cell having a front and a back, wherein at least the front is capable of converting at least a portion of solar light incident thereon into electrical energy, when used in a solar panel according to claim 1.
- 33. (Previously presented) An array of solar cells, each of which has a front and a back, wherein at least the front is capable of converting at least a portion of solar light incident thereon into electrical energy, when used in a solar panel according to claim 1.
- 34. (Previously presented) An array of solar cells when used in a solar panel according to claim 1, wherein each of said solar cells comprises:
- a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a back, a first side surface and a second side surface, wherein, in the event that the semiconductor strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front and at least a portion of the first side surface and, in the event that the semiconductor strip comprises an n-type dopant, a first diffusion layer of a p-type conductivity has been introduced by diffusion, using a suitable dopant, into at least a portion of the front surface and at least a portion of the first side surface:
- a first metal contact in electrical contact with the first diffusion layer of the first side surface: and

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a second metal contact in electrical contact with the second side surface but being

electrically isolated from the first diffusion layer.

35. (Canceled)

36. (Previously presented) A method for converting light into electrical energy

comprising exposing a solar panel according to claim 1 to the light such that at least a portion of

the light is incident on the panel front.

37. (Previously presented) A solar panel according to claim 1 when used for

converting light into electrical energy.

38. (Previously presented) The solar panel of claim 8 wherein the reflector is selected

from the group consisting of a Lambertian reflector, a diffuse reflector, a light scattering reflector

and a reflector that approximates one of these.

39. (Previously presented) The solar panel of claim 20 wherein each of said solar

cells comprises:

a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a back, a first side surface and a second side surface, wherein, in the event that the

semiconductor strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity

has been introduced by diffusion, using a suitable dopant, into at least a portion of the front and

at least a portion of the first side surface and, in the event that the semiconductor strip comprises

an n-type dopant, a first diffusion layer of a p-type conductivity has been introduced by

diffusion, using a suitable dopant, into at least a portion of the front surface and at least a portion

of the first side surface;

a first metal contact in electrical contact with the first diffusion layer of the first side

surface; and

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a second metal contact in electrical contact with the second side surface but being electrically isolated from the first diffusion layer.

40. (Previously presented) The process of claim 25 wherein each of said solar cells

comprises:

a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a

back, a first side surface and a second side surface, wherein, in the event that the semiconductor

strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been

introduced by diffusion, using a suitable dopant, into at least a portion of the front and at least a

portion of the first side surface and, in the event that the semiconductor strip comprises an n-type

dopant, a first diffusion layer of a p-type conductivity has been introduced by diffusion, using a

suitable dopant, into at least a portion of the front surface and at least a portion of the first side

surface:

a first metal contact in electrical contact with the first diffusion layer of the first side

surface: and

a second metal contact in electrical contact with the second side surface but being

electrically isolated from the first diffusion layer.

41. (Previously presented) A solar panel when made by the process of claim 25.

42. (Previously presented) A solar cell having a front and a back, wherein at least the

front is capable of converting at least a portion of solar light incident thereon into electrical

energy, when used in a solar panel according to claim 20.

43. (Previously presented) An array of solar cells, each of which has a front and a

back, wherein at least the front is capable of converting at least a portion of solar light incident

thereon into electrical energy, when used in a solar panel according to claim 20.

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44. (Previously presented) An array of solar cells when used in a solar panel according to claim 20, wherein each of said solar cells comprises:

ruing to claim 20, wherein each of said solar cens comprises.

a semiconductor strip comprising a p-type dopant or an n-type dopant and having a front, a back, a first side surface and a second side surface, wherein, in the event that the semiconductor

strip comprises a p-type dopant, a first diffusion layer of an n-type conductivity has been

introduced by diffusion, using a suitable dopant, into at least a portion of the front and at least a

portion of the first side surface and, in the event that the semiconductor strip comprises an n-type

dopant, a first diffusion layer of a p-type conductivity has been introduced by diffusion, using a

suitable dopant, into at least a portion of the front surface and at least a portion of the first side

surface;

a first metal contact in electrical contact with the first diffusion layer of the first side

surface; and

a second metal contact in electrical contact with the second side surface but being

electrically isolated from the first diffusion layer.

45. (Canceled)

46. (Previously presented) A method for converting light into electrical energy

comprising exposing a solar panel according to claim 20 to the light such that at least a portion of

the light is incident on the panel front.

47. (Previously presented) A solar panel according to claim 20 when used for

converting light into electrical energy.

48. (New) A solar panel according to claim 20 wherein the distance is at least about 5

meters.

49. (New) A solar panel according to claim 1 wherein the visually distinguishable

feature appears unobscured when viewed from a distance.

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50. (New) A solar panel according to claim 49 wherein the distance is at least about 5 meters.

51. (New) A solar panel according to claim 1 wherein the visually distinguishable feature has a horizontal dimension greater than the width of each of the cells and a vertical dimension greater than the height of each of the cells.